

### Abstract of the Disclosure

A multiplex transmission system of tributary signals multiplexes a plurality of tributary signals after adding to them frame information common to all the tributary signals and identification codes different for the individual tributary signals. This makes it possible to solve a problem of a conventional multiplex system of tributary signals in that the transmission rate is limited because it multiplexes a plurality of tributary signals with adding an SOH (section overhead) to generate an STM-N frame to be transmitted and received, which requires a considerable time.